

Respiratory Medicine

formerly BRITISH JOURNAL OF DISEASES OF THE CHEST

Volume 84, 1990

Editor

Robert J. Davies

*Department of Respiratory Medicine,
St Bartholomew's Hospital,
West Smithfield,
London EC1A 7BE.
Editor's office: 071-601 8438*

Editorial Board

T. J. H. Clark (*Chairman*)
N. Eiser (*Associate Editor*)
T. W. Higenbottam (*Associate Editor*)
C. R. McGavin (*Associate Editor*)
C. A. C. Pickering (*Associate Editor*)
J. F. Price (*Associate Editor*)
M. R. Partridge
T. Treasure
M. Turner-Warwick

International Advisory Board

S. R. Benatar (*South Africa*)
J. C. L. Chu (*China*)
M. X. Fitzgerald (*Eire*)
C. Giuntini (*Italy*)
L. Laitinen (*Finland*)
J. Marsac (*France*)
J. Meier-Syдов (*West Germany*)
J. A. Nadel (*U.S.A.*)
N. M. Siafakas (*Greece*)
B. G. Simonsson (*Sweden*)
F. E. Udwadia (*India*)
A. J. Woolcock (*Australia*)



Baillière Tindall · London
in association with The British Thoracic Society

SCIENCE

DO NOT CIRCULATE

Printed on acid free paper in Great Britain by Henry Ling Ltd., The Dorset Press, Dorchester, Dorset

Copyright © 1990 Baillière Tindall

ALL RIGHTS RESERVED

No part of this volume may be reproduced in any form,
by photostat, microfilm, or any other means, without
written permission from the publishers

Editorials

C. J. TRIGG and R. J. DAVIES, Use of slow-release theophylline in asthma—is it justified? 1
G. BOYD, Pulmonary function changes in Pigeon Fancier's Lung 5

Topical Review

J. A. WEDZICHA and M. C. PEARSON, Management of massive haemoptysis 9

Original Articles

M. ALKHAYER, P. F. JENKINS and B. D. W. HARRISON, The outcome of community acquired pneumonia treated on the intensive care unit 13
A. DAVENPORT and A. J. WILLIAMS, The effect of dialyzer reuse on peak expiratory flow rate 17
W. M. EDMONDSTONE, Investigation of pleural effusion: comparison between fiberoptic thoracoscopy, needle biopsy and cytology 23
M. J. MORRIS and A. G. TAYLOR, Peak flow measurement as a screening test for restrictive pulmonary disorders 27
W. FREEMAN, D. C. WEIR, S. B. SAPIANO, J. E. WHITEHEAD, P. S. BURGE and R. M. CAYTON, The twenty-metre shuttle-running test: a combined test for maximal oxygen uptake and exercise-induced asthma? 31
C. JANSON, T. GISLASON, G. BOMAN, J. HETTA and B.-E. ROOS, Sleep disturbances in patients with asthma 37
J. E. BRIGGS, H. PATEL, K. BUTTERFIELD and D. HONEYBOURNE, The effects of chronic obstructive airways disease on the ability to drive and to use a roadside alcoholmeter 43
M. A. RAHMAN, M. B. ULLAH and A. BEGUM, Lung function in teenage Bangladeshi boys and girls 47
W. J. M. KINNEAR and J. T. MACFARLANE, A survey of thoracic actinomycosis 57
C. R. HORN, T. J. H. CLARK and G. M. COCHRANE, Can the morbidity of asthma be reduced by high dose inhaled therapy? A prospective study 61
C. R. HORN, T. J. H. CLARK and G. M. COCHRANE, Compliance with inhaled therapy and morbidity from asthma 67

Case Reports

R. BARNETT, H. L. ISRAEL, R. SCOTT, J. E. FISH and S. P. PETERS, Pulmonary fibrosis in a patient treated with bumefanide: clinical improvement associated with transition from a granulocytic to lymphocytic alveolitis 71
J. M. J. HAMMOND and E. D. BATEMAN, Successful treatment of life-threatening steroid-resistant pulmonary sarcoidosis with cyclosporin in a patient with systemic lupus erythematosus 77

Book Reviews

Letters to the Editor 81
Meetings Announcement 85

Editorials

D. K. JONES, Markers for impending adult respiratory distress syndrome 89
A. D. BLAINES, Respiratory disease in grainworkers 93

Topical Review

F. C. WELLS, Empyema thoracis: what is the role of surgery? 97

Original Articles

D. M. SHELTON, J. PERTUZE, M. J. GLEESON, J. THOMPSON, W. T. DENMAN, J. GOFF, N. M. EISER and N. B. PRIDE, Comparison of oscillation with three other methods for measuring nasal airways resistance 101
G. D. NICKOLADZE, Surgical management of familial spontaneous pneumothorax 107

F. HOWELL, P. KELLY and L. CLANCY, Pulmonary tuberculosis in the Republic of Ireland: an epidemiological profile from a single unit	111
A. G. LEITCH, S. PARKER, A. CURRIE, T. KING and G. J. R. McHARDY, Evaluation of the need for follow-up in an out-patient clinic	119
D. BURNETT, S. L. HILL, A. R. BRADWELL and R. A. STOCKLEY, IgA subclasses in sputum from patients with bronchiectasis	123
G. HILLERDAL, Pleural and parenchymal fibrosis mainly affecting the upper lung lobes in persons exposed to asbestos	129
A. P. SYKES and J. G. AYRES, A study of the duration of the bronchodilator effect of 12 µg and 24 µg of inhaled formoterol and 200 µg inhaled salbutamol in asthma	135
A. JONES and A. SYKES, The effect of symptom presentation on delay in asthma diagnosis in children in a general practice	139
M. B. ALLEN, R. W. FITZPATRICK, A. BARRATT and R. B. COLE, The use of probenecid to increase the serum amoxycillin levels in patients with bronchiectasis	143
J. FORTY, M. YEATMAN and F. C. WELLS, Empyema thoracis: a review of a 4½ year experience of cases requiring surgical treatment	147
Short Report	
D. GALDERMANS, J. VERHAERT, J. VAN MEERBEEK, W. DE BACKER and P. VERMEIRE, Broncholithiasis: present clinical spectrum	155
Case Reports	
E. D. BATEMAN and S. C. MORRISON, Catamenial haemoptysis from endobronchial endometriosis – a case report and review of previously reported cases	157
D. IGUE, V. LYNCH and W. T. McNICHOLAS, Broncholithiasis: bronchoscopic vs. surgical management	163
M. J. COFFEY, M. T. KEOGAN and M. X. FITZGERALD, <i>Pseudomonas aeruginosa</i> septicaemia in a young adult with cystic fibrosis	167
N. GOTTERER, I. LOSSOS and R. BREUER, Pancoast's syndrome caused by primary pulmonary hydatid cyst	169
R. JOHNSON and J. LOMMI, A case of isoniazid-induced red cell aplasia	171
E. A. THOMAS, J. P. MURPHY, W. J. NORMAN and W. H. PERKS, Traumatic paramediastinal air cysts – a continuing source of confusion	175
Letters to the Editor	177
Instructions to Authors	

Number 3 May 1990

Editorials

N. EISER, The hitch-hikers guide to nasal airway patency	179
R. M. DU BOIS, Advances in our understanding of the pathogenesis of fibrotic lung disease	185

Topical Review

A. T. DINH XUAN, T. W. HIGENBOTTAM, J. P. SCOTT and J. WALLWORK, Primary pulmonary hypertension: diagnosis, medical and surgical treatment	189
--	-----

Original Articles

N. CARROLL, M. J. WALSHAW, C. C. EVANS and C. R. K. HIND, Nocturnal oxygen desaturation in patients using long-term oxygen therapy for chronic airflow limitation	199
D. BARAN, P. DE VUYST and H. A. OOMS, Concentration of tobramycin given by aerosol in the fluid obtained by bronchoalveolar lavage	203
E. F. M. WOUTERS, R. MOSTERT, A. H. POLKO and B. F. VISSER, Forced expiratory flow and oscillometric impedance measurement in evaluating airway obstruction	205

J. D. ARNOLD, R. J. COURtenay-EVANS, R. WHITFIELD, J. F. O'REILLY, G. R. PETRIE, A. J. HIGGINS and C. G. SWIFT, Comparative assessment of enprofylline and theophylline for chronic obstructive airways disease in the elderly	211
H. DAZZI, N. THATCHER, P. S. HASLETON and R. SWINDELL, DNA analysis by flow cytometry in nonsmall cell lung cancer: relationship to epidermal growth factor receptor histology, tumour stage and survival	217
D. T. MCLEOD, P. NEILL, L. GWANZURA, A. S. LATIF, J. C. EMMANUEL, N. Nkanza and S. B. LUCAS, <i>Pneumocystis carinii</i> pneumonia in patients with AIDS in Central Africa	225
C. D. SHEE, Risk factors for hydrocortisone myopathy in acute severe asthma	229
B. G. COOPER, R. TAYLOR, K. G. M. M. ALBERTI and G. J. GIBSON, Lung function in patients with diabetes mellitus	235
S. W. BANHAM, A. F. HENDERSON, S. BICKNELL, J. HUGHES, R. MILROY and R. D. MONIE, High dose epirubicin chemotherapy in untreated poorer prognosis small cell lung cancer	241
C. D. SELBY, M. B. ALLEN and A. G. LEITCH, How well do the general public read Heaf skin tests?	245
Case Reports	
A. SHAH, Z. U. KHAN, M. SIRCAR, S. CHATURVEDI, G. BAZAZ MALIK and H. S. RANDHAWA, Allergic <i>Aspergillus</i> sinusitis: an Indian report	249
C. M. ROBERTS, C. M. GELDER, P. GOLDSTRAW and S. G. SPIRO, Tension pneumothorax and empyema as a consequence of gastro-pleural fistulae	253
Letters to the Editor	255
Forthcoming Meetings	256

Number 4 July 1990

Editorials

M. J. WALSHAW, Mite control: is it worthwhile?	257
T. H. LEE, Interactions between macrophages and granulocytes in allergic asthma	259

Topical Review

S. R. DURHAM, Late asthmatic responses	263
--	-----

Original Articles

L. P. ORMEROD, Tuberculosis screening and prevention in new immigrants 1983-88	269
D. MULHERIN, M. J. COFFEY, D. O. HALLORAN, M. T. KEOGAN and M. X. FITZGERALD, Skin reactivity to atypical mycobacteria in cystic fibrosis	273
A. CARMICHAEL and A. COCKCROFT, Survey of student nurses' smoking habits in a London teaching hospital	277
M. MATUCCI-CERINIC, A. PIGNONE, F. IANNONE, T. LOTTI, E. PESCIULLESI, G. SPILLANTINI, F. FALCINI and M. CAGNONI, Clinical correlations of plasma angiotensin converting enzyme (ACE) activity in systemic sclerosis: a longitudinal study of plasma ACE level, endothelial injury and lung involvement	283
H. GILLJAM, C. STENLUND, A. ERICSSON-HOLLSING and B. STRANDVIK, Passive smoking in cystic fibrosis	289
L. G. McALPINE and N. C. THOMSON, Prophylaxis of exercise-induced asthma with inhaled formoterol, a long-acting β_2 -adrenergic agonist	293
P. A. WILLCOX, E. D. BATEMAN, P. D. POTGIETER and S. R. BENATAR, Experience with fibrooptic bronchoscopy in the diagnosis of pulmonary shadows in renal transplant recipients over a 12-year period	297
J. L. DEVALIA, R. J. SAPSFORD, C. W. WELLS, P. RICHMAN and R. J. DAVIES, Culture and comparison of human bronchial and nasal epithelial cells <i>in vitro</i>	303
R. BREUER, I. S. LOSSOS, J. S. LAFAIR and D. ENGELHARD, Utility of bronchoalveolar lavage in the assessment of diffuse pulmonary infiltrates in non AIDS immunocompromized patients	313

L.-P. BOULET, A. CARTIER, D. W. COCKCROFT, J. M. GRUBER, F. LABERGE, G. F. MACDONALD, J.-L. MALO, J. A. MAZZA, W. D. MOOTE, J. D. SANDHAM and P. THOMAS, Tolerance to reduction of oral steroid dosage in severely asthmatic patients receiving nedocromil sodium	317
M. POWELL, P. A. MAJCHERCZYK and J. D. WILLIAMS, Antibacterial and mutagenic activity of inhaled bronchodilators on the respiratory pathogen <i>Haemophilus influenzae</i>	325
M. J. WALSHAW, R. LIM, C. C. EVANS and C. R. K. HIND, Factors influencing the compliance of patients using oxygen concentrators for long-term home oxygen therapy	331
Short Reports	
A. J. PEACOCK, V. CHALENOR and G. SUTHERLAND, Estimation of pulmonary artery pressure by Doppler echocardiography in normal subjects made hypoxic	335
M. J. DAVIES and D. R. HALL, Wegener's granulomatosis presenting as pulmonary metastases: value of antineutrophil cytoplasmic antibodies in diagnosis	339
Case Report	
H. S. CHAN and J. PANG, Relapsing polychondritis presenting with bronchorrhoea	341
Forthcoming Meetings	344

Number 5 September 1990

Editorials	
N. J. C. SNELL, Adverse reactions to inhaled drugs	345
J. WEBB, Local anaesthesia for fibroscopic bronchoscopy – where are we now?	349
Topical Review	
A. MIER, Respiratory muscle weakness	351
Original Articles	
D. WOSORNU, D. MACINTYRE and B. WATT, An outbreak of isoniazid resistant tuberculosis in Glasgow 1981–1988	361
J. WIGGINS, B. STRICKLAND and M. TURNER-WARWICK, Combined cryptogenic fibrosing alveolitis and emphysema: the value of high resolution computed tomography in assessment	365
M. J. BARROS and P. J. REES, Bronchodilator responses to salbutamol followed by ipratropium bromide in partially reversible airflow obstruction	371
D. A. R. BOLDY, S. J. SKIDMORE and J. G. AYRES, Acute bronchitis in the community: clinical features, infective factors, changes in pulmonary function and bronchial reactivity to histamine	377
O.-P. SEPPÄLÄ, Reproducibility of methacholine induced bronchoconstriction in healthy subjects: the use of area under the expiratory flow-volume curve to express results	387
C. I. TIMON, V. A. McALLISTER, M. WALSH and M. T. CAFFERKEY, Changes in tonsillar bacteriology of recurrent acute tonsillitis: 1980 vs. 1989	395
Short Reports	
V. CHECHANI, A. A. ALLAM and S. L. KAMHOLZ, Pulmonary non-Hodgkin's lymphoma mimicking infection	401
C. TEALE, P. J. GOMES, M. F. MUERS and S. B. PEARSON, Local anaesthesia for fibroscopic bronchoscopy: comparison between intratracheal cocaine and lignocaine	407
Case Reports	
R. F. MILLER, H. D. L. BIRLEY, P. FOGARTY and S. J. G. SEMPLE, Cavitary lung disease caused by <i>Mycobacterium avium-intracellulare</i> in AIDS patients	409
D. GLEW, N. F. SLACK and R. J. WHITE, Pleurisy and hepatic cysts	413
S. J. LANDY and C. R. McGAVIN, Dressler's syndrome after meningococcal myopericarditis	415
Letters to the Editor	417
BALR Abstracts	419
Instructions to authors	

Editorial

S. SMITH, A potential mechanism for some anti-inflammatory effects of the glucocorticoids? 435

Topical Review

P. D. MACNAUGHTON, C. J. MORGAN, D. M. DENISON and T. W. EVANS, Pulmonary function testing in the intensive care unit 437

Original Articles

F. A. CAREY, D. M. SALTER, K. M. KERR and D. LAMB, An investigation into the role of human papillomavirus in endobronchial papillary squamous tumours 445

K. H. KILBURN and R. H. WARSHAW, Airway obstruction in asbestos-exposed shipyard workers: with and without irregular opacities 449

S. Y. SO, M. M. T. NG, M. S. M. IP and W. K. LAM, Rising asthma mortality in young males in Hong Kong, 1976-85 457

G. D. HARPER, P. NEILL, A. S. VATHENEN, J. B. COOKSON and P. EBDEN, A comparison of inhaled beclomethasone dipropionate and nedocromil sodium as additional therapy in asthma 463

B. R. O'DRISCOLL, E. A. KAY, R. J. TAYLOR and A. BERNSTEIN, Home nebulizers: can optimal therapy be predicted by laboratory studies? 471

J. S. MANN, R. W. FITZPATRICK, P. W. JONES, K. PROWSE, C. MUCKLOW and R. B. COLE, A single oral dose method for predicting steady state theophylline concentrations in clinical practice 479

P. J. CHAPMAN, E. D. BATEMAN and S. R. BENATAR, Primary pulmonary hypertension and thromboembolic pulmonary hypertension—similarities and differences 485

P. J. CHAPMAN, E. D. BATEMAN and S. R. BENATAR, Prognostic and therapeutic considerations in clinical primary hypertension 489

Short Reports

S. CAPEWELL, N. J. ALI, H. MAKKER, P. COCKWELL, D. P. DAVIES, S. ROGERS, M. GRAY and A. GILLIES, Radial artery puncture: a comparison of three haemostatic techniques 495

S. LOZEWICZ, L. GREENWOOD, A. F. WALLS, E. GOMEZ and R. J. DAVIES, Mast cells in human bronchi are heterogeneous with respect to granule esterase activity 499

Case Reports

A. W. MATTHEWS and R. BUCHANAN, A case of pulmonary veno-occlusive disease and a new bronchoscopic sign 503

P. K. DONNELLY and E. M. WATKIN, Acute haemorrhagic pancreatico-pleural effusion treated with somatostatin analogue SMS 201-995 507

Letters to the Editor**Instructions to Authors**

M. A. KALINER, Introduction 1

J. G. WIDDICOMBE, Nasal pathophysiology 3

J. BOUSQUET, P. CHANEZ and F. B. MICHEL, Pathophysiology and treatment of seasonal allergic rhinitis 11

G. H. PHILLIPPS, Structure-activity relationships of topically active steroids: the selection of fluticasone propionate 19

S. M. HARDING, The human pharmacology of fluticasone propionate 25

J. DOLOVICH, M. ANDERSON, W. CHODIRKER, M. DROUIN, F. E. HARGREAVE, J. HERBERT, A. KNIGHT, M. O'CONNER, P. SMALL and W. YANG, Fluticasone propionate: a large multicentre trial 31

K. THOMAS, L. GREENWOOD, N. MURRANT, J. COOK, J. L. DEVALIA and R. J. DAVIES, The effects of topical fluticasone propionate on allergen-induced immediate nasal airways response and eosinophil activation: preliminary results 33

Panel discussion 37

INDEX TO VOLUME 84

ACE activity in systemic sclerosis, 283–287
Actinomycosis, thoracic, survey of, 57–59
Adult respiratory distress syndrome markers for, 89–91
AIDS—
and cavitary lung disease; *Mycobacterium avium-intracellulare*, 409–411
in Central Africa, 225–228
and *Pneumocystis carinii* pneumonia, 177–179, 225–228
Airflow obstruction, partially reversible, 371–375
Airway obstruction—
in asbestos-exposed shipyard workers, 449–455
forced expiratory flow and oscillographic impedance, 205–209
Alberti, K. G. M. M., 235–239
Alcolmeter, roadside, 43–46
Ali, N. J., 495–497
Alkhayer, M., 13–16
Allam, A. A., 401–405
Allen, M. B., 143–146, 245–248
Allergic *Aspergillus* sinusitis: an Indian report, 249–251
Allergic asthma: macrophage-granulocyte interaction, 259–261
Alveolitis, 71–75
Amoxycillin serum levels in bronchiectasis, 143–146
Anaesthesia, local, for fiberoptic bronchoscopy, 349–350, 407–408
Angiotensin converting enzyme see ACE
Antibacterial activity of inhaled bronchodilators on *Haemophilus influenzae*, 325–330
Antineutrophil cytoplasmic antibodies in diagnosis of Wegener's granulomatosis, 339–340
Arnold, J. D., 211–215
Asbestos—
airway obstruction in shipyard workers exposed to, 449–455
mesothelioma from exposure to, 509–510
parenchymal changes due to, 129–134
Aspergillus sinusitis, allergic, in India, 249–251
Asthma—
allergic; macrophage-granulocyte interaction, 259–261
beclometasone dipropionate therapy, 463–469
in children, 139–142
delay in diagnosis, 139–142
exercise-induced, 31–35, 293–295
and formoterol, 135–138, 293–295
inhaled therapy, 61–66, 67–70
late responses, 263–268
morbidity, 61–66, 67–70
mortality in young males in Hong Kong, 457–461
nedocromil sodium therapy, 317–323, 463–469
patient compliance, 67–70
prednisone dosage reduction, 317–323
salbutamol; duration of effect, 135–139
severe, acute; risk factors for hydrocortisone myopathy, 229–233, 510–511
and sleep disturbances, 37–42
steroid dosage reduction; tolerance, 317–323
symptom presentation, 139–142
theophylline, slow-release, 1–3
Ayres, J., 85
Ayres, J. G., 135–138, 377–385
Banham, S. W., 241–244
Baran, D., 203–204
Barnett, R., 71–75
Barratt, A., 143–146
Barros, M. J., 371–375
Bateman, E. D., 77–80, 157–161, 297–302, 485–488, 489–494
Beclometasone dipropionate in asthma therapy, 463–469
Begum, A., 47–55
Benatar, S. R., 297–302, 485–488, 489–494
Bernstein, A., 471–477
Bicknell, A., 241–244
Birley, H. D. L., 409–411
Blainey, A. D., 93–95
Boldy, D. A. R., 377–385
Boman, G., 37–42
Boulet, L.-P., 317–323
Boyd, G., 5–7
Bradwell, A. R., 123–127
Breuer, R., 169–170, 313–316
Briggs, J. E., 43–46
British Association for Lung Research. Abstracts of 9th summer meeting, Edinburgh, 1990, 419–433
Britton, M., 86
Bronchial mast cells and granule esterase activity, 499–501
Bronchial and nasal epithelial cells; comparison, 303–312
Bronchial reactivity to histamine, 377–385
Bronchiectasis—
IgA subclasses in sputum, 123–127
probencid and serum amoxycillin levels, 143–146
serum amoxycillin levels, and probencid, 143–146
Bronchitis, acute, in the community, 377–385
Bronchoalveolar lavage—
in non-AIDS immunocompromised patients, 313–316
tobramycin concentration in fluid, 203–204
Bronchoconstriction, methacholine induced, in healthy subjects, 387–394
Bronchodilator responses to salbutamol followed by ipratropium bromide in partially reversible airflow obstruction, 371–375
Bronchodilators, antibacterial and mutagenic activity on *H. influenzae*, 325–330
Broncholithiasis—
bronchoscopic vs. surgical management, 163–165
clinical spectrum, 155–156
Bronorrhoea, relapsing polychondritis presenting with, 341–343
Bronchoscopy, fiberoptix—
comparison with fine needle aspiration biopsy, 178
local anaesthesia for, 349–350, 407–408
pulmonary shadow diagnosis, 297–302
Buchanan, R., 503–505
Bumetanide and pulmonary fibrosis, 71–75
Burge, P. S., 31–35
Burnett, D., 123–127
Butterfield, K., 43–46
Cafferkey, M. T., 395–400
Cagnoni, M., 283–287
Calderon, J., 177
Callol, L., 177
Cancer—
endobronchial papillary squamous tumours, 445–447
epirubicin chemotherapy, 241–244
lung, nonsmall cell, 217–223
lung, small cell, 241–244
Capewell, S., 495–497
Carey, F. A., 445–447
Carmichael, A., 277–282
Carroll, N., 199–201
Cartier, A., 317–323
Cavitary lung disease caused by *Mycobacterium avium-intracellulare* in AIDS patients, 409–411
Cayton, R. M., 31–35
Challenor, V., 335–337
Chan, H. S., 341–343
Chapman, P. J., 485–488, 489–494
Chaturvedi, S., 249–251
Chechani, V., 401–405
Chemotherapy, epirubicin, in small cell lung cancer, 241–244
Children, asthma diagnosis, in a general practice, 139–142
Chronic airflow limitation, nocturnal oxygen desaturation in patients using oxygen therapy for, 199–201
Chronic obstructive airways disease—
and driving ability, 43–46
in the elderly, 211–215
enprofylline, 211–215
and roadside alcohol use, 43–46
theophylline, 211–215

Clancy, L., 111–117, 511
 Clark, T. J. H., 61–66, 67–70
 Cocaine, intrathecal, in local anaesthesia for fibroscopic bronchoscopy, 407–408
 Cochrane, G. M., 61–66, 67–70
 Cockcroft, A., 277–282
 Cockroft, D. W., 317–323
 Cockwell, P., 495–497
 Coffey, M. J., 167–168, 273–276
 Cole, R. B., 143–146, 479–484
 Cookson, J. B., 463–469
 Cooper, B. G., 235–239
 Cotes, J. E., 86
 Courtenay-Evans, R. J., 211–215
 Cryptogenic fibrosing alveolitis and emphysema, combined; HRTC assessment, 365–369
 Currie, A., 119–122
 Cyclosporin, 77–80
 Cystic fibrosis—
 and passive smoking, 289–291
 P. aeruginosa septicæmia in young adult with, 167–168
 skin reactivity to atypical mycobacteria, 273–276
 Cytology, 23–26

Davenport, A., 17–21
 Davies, D. P., 495–497
 Davies, M. J., 339–340
 Davies, P. D. O., 511
 Davies, R. J., 1–3, 303–312, 499–501
 Dazzi, H., 217–223
 de Backer, W., 155–156
 Denison, D. M., 437–443
 Denman, W. T., 101–106
 Devalia, J. L., 303–312
 de Vuyst, P., 203–204
 Diabetes and lung function, 235–239
 Dinh Xuan, A. T., 189–197
 DNA analysis by flow cytometry in nonsmall cell lung cancer, 217–223
 Donnelly, P. K., 507–508
 Doppler echocardiography, estimate of pulmonary artery pressure by, 335–337
 Douglas, J. G., 177–178
 Dressler's syndrome after meningococcal myopericarditis, 415–416
 Driving ability, 43–46
 Drugs, inhaled, adverse reactions to, 345–348
 du Bois, R. M., 185–187
 Durham, S. R., 263–268

Ebden, P., 463–469
 Edmondstone, W. M., 23–26
 Eftimioiu, J., 512
 Eiser, N., 179–183
 Eiser, N. M., 101–106
 Elderly patients, enprofylline vs. theophylline in chronic obstructive airways disease, 211–215
 Emmanuel, J. C., 225–228
 Empyema as consequence of gastro-pleural fistulae, 253–254
 Empyema thoracis, surgical treatment, 97–99, 147–153
 Emphysema and cryptogenic fibrosing alveolitis; HRTC assessment, 365–369
 Endobronchial endometriosis, catamenial haemoptysis from; review, 157–161
 Endobronchial papillary squamous tumours, 445–447
 Endometriosis, endobronchial, catamenial haemoptysis from; review, 157–161
 Engelhard, D., 313–316
 Enprofylline in chronic obstructive airways disease, 211–215
 Epidermal growth factor receptor, 217–223
 Epirubicin in small cell lung cancer, 241–244
 Epithelial cells, bronchial and nasal; a comparison, 303–312
 Ericsson-Hollsing, A., 289–291
 Evans, C. C., 199–201, 331–333
 Evans, T. W., 437–443

Exercise testing—
 simple, 417–418
 twenty-metre shuttle-running test, 31–36

Falcini, F., 283–287
 Farrell, J., 255
 Ferguson, H., 418
 Fibroscopic bronchoscopy *see* Bronchoscopy
 Fibroscopic thoracoscopy, 23–26
 Fibrosis—
 parenchymal, in persons exposed to asbestos, 129–134
 pleural, in persons exposed to asbestos, 129–134
 see also Cystic Fibrosis
 Fibrotic lung disease, pathogenesis of, 185–187
 Fish, J. E., 71–75
 FitzGerald, M. X., 167–168, 273–276
 Fitzpatrick, R. W., 143–146, 479–484
 Flow cytometry, DNA analysis in nonsmall cell lung cancer, 217–223
 Fogarty, P., 409–411
 Forced expiratory flow and oscillometric impedance measurement in evaluating airway obstruction, 205–209
 Formoterol—
 duration of effect, in asthma, 135–138
 in exercise-induced asthma, 293–295
 Forty, J., 147–153
 Freeman, W., 31–35

Galdermans, D., 155–156
 Garcia-Perez, C., 177
 Gastro-pleural fistulae; tension pneumothorax and empyema, 253–254
 Geddes, D. M., 85–86
 Gelder, C. M., 253–254
 Gibson, G. J., 235–239
 Gilliam, H., 289–291
 Gillies, A., 495–497
 Gislason, T., 37–42
 Gleeson, M. J., 101–106
 Glew, D., 413–414
 Glucocorticoids; anti-inflammatory effect mechanism, 435–436
 Goff, J., 101–106
 Goldstraw, P., 253–254
 Gomes, P. J., 407–408
 Gomez, E., 499–501
 Gomez-Terreros, F. J., 177
 Götterer, N., 169–170
 Grainworkers, respiratory disease in, 93–95
 Grant, I. W. B., 85
 Granule esterase activity, and bronchial mast cells, 499–501
 Granulocyte-macrophage interaction in allergic asthma, 259–261
 Granulomatosis, Wegener's, presenting as pulmonary metastases, 339–340
 Gray, M., 495–497
 Greenwood, L., 499–501
 Gruber, J. M., 317–323
 Gwanzura, L., 225–228

Haemodialysis, 17–21
Haemophilus influenzae, antibacterial and mutagenic activity of bronchodilators on, 325–330

Haemoptysis—
 catamenial, from endobronchial endometriosis; review, 157–161
 massive, management of, 9–12, 512
 Haemorrhagic pancreatico-pleural effusion treated with SMS 201–995, 507–508
 Hall, D. R., 339–340
 Halloran, D. O., 273–276
 Hammond, J. M. J., 77–80
 Harper, G. D., 463–469
 Harrison, B. D. W., 13–16
 Hasleton, P. S., 217–223
 Heaf skin tests; reading by general public, 245–248
 Henderson, A. F., 241–244
 Hepatic cysts and pleurisy, 413–414

Hetta, J., 37-42
Higenbottam, T. W., 189-197
Higgins, A. J., 211-215
High resolution computed tomography in assessment of combined cryptogenic fibrosing alveolitis and emphysema, 365-369
Hill, S. L., 123-127
Hillerdal, G., 129-134
Hind, C. R. K., 199-201, 331-333
Histamine, bronchial reactivity to, 377-385
Hoag, N. A., 510-511
Honeybourne, D., 43-46
Horn, C. R., 61-66, 67-70
Howell, F., 111-117
Hughes, J., 241-244
Hughes, J. M. B., 255
Hydatid cyst, pulmonary, as cause of Pancoast's syndrome, 169-170
Hydrocortisone myopathy in acute severe asthma; risk factors, 229-233, 510-511

Iannone, A., 283-287
IgA subclass levels and bronchiectasis, 123-127
Igoe, D., 163-165
Intensive care unit, pulmonary function testing in, 437-443
Ip, M. S. M., 457-461
Ipratropium bromide in partially reversible airflow obstruction, 371-375
Isoniazid-induced red cell aplasia; a case, 171-174
Isoniazid-resistant tuberculosis outbreak in Glasgow, 361-364
Israel, H. L., 71-75

Janson, C., 37-42
Jenkins, P. F., 13-16
Johnson, R., 171-174
Jones, A., 139-142
Jones, D. K., 89-91
Jones, P. W., 479-484

Kamholz, S. L., 401-405
Kay, E. A., 471-477
Kelly, P., 111-117
Keegan, M. T., 167-168, 273-276
Kerr, K. M., 445-447
Khan, Z. U., 249-251
Kilburn, K. H., 449-455
King, B., 86
King, T., 119-122
Kinnear, W. J. M., 57-59
Kirkham, B., 509-510
Knox, A. J., 417

Laberge, F., 317-323
Lafair, J. S., 313-316
Lam, W. K., 457-461
Lamb, D., 445-447
Landy, S. J., 415-416
Lane, D. J., 512
Langer, A. M., 509
Latif, A. S., 225-228
Lee, H. Y., 255
Lee, T. H., 259-261
Leitch, A. G., 119-122, 245-248
Lignocaine, intrathecal, in local anaesthesia for fibroscopic bronchoscopy, 407-408
Lim, R., 331-333
Lommi, J., 171-174
Lossos, I., 169-170, 313-316
Lotti, T., 283-287
Lozewicz, S., 499-501
Lucas, S. B., 225-228
Lung—
 alveolitis, 71-75
 asbestos-related disease, 86, 129-134
 cancer, nonsmall cell, 217-223
 cancer, small cell, 241-244

cavitory lung disease in AIDS patients, 409-411
fibrosis in upper lobes of, and asbestos, 129-134
fibrotic disease; pathogenesis, 185-187
function, in diabetes patients, 235-239
function in teenagers, 47-55
haemoptysis, massive, 9-12, 512
Pigeon Fancier's, 5-7
and plasma ACE level, 283-287
pulmonary fibrosis, 71-75
respiratory muscle weakness, 351-359
restrictive disorders, 27-30
sarcoidosis, 77-80
Lung inflammation and injury: models and mechanisms (Abstracts of 9th summer meeting of The British Association for Lung Research, 1990), 419-433
Lymphoma, non-Hodgkin's, pulmonary, mimicking infection, 401-405
Lynch, V., 163-165

McAllister, V. A., 395-400
McAlpine, L. G., 293-295
MacDonald, G. F., 317-323
MacFarlane, J. T., 57-59
McGavin, C. R., 415-416
McHardy, G. J. R., 119-122
MacIntyre, D., 361-364
McLeod, D. T., 225-228
Macnaughton, P. D., 437-443
McNicholas, W. T., 163-165
Macrophage-granulocyte interaction in allergic asthma, 259-261
Majcherczyk, P. A., 325-330
Makker, H., 495-497
Malik, G. B., 249-251
Malo, J.-L., 317-323
Mann, J. S., 479-484
Mast cells in human bronchi, and granule esterase activity, 499-501
Matthews, A. W., 503-505
Mautucci-Cerini, M., 283-287
Mazzia, J. A., 317-323
Meningococcal myopericarditis, Dressler's syndrome after, 415-416
Methacholine induced bronchoconstriction in healthy subjects, 387-394
Mier, A., 351-359
Miller, R. F., 409-411
Mirov, R., 241-244
Mite control: is it worthwhile?, 257-258
Monie, R. D., 241-244
Mootie, W. D., 317-323
Morgan, A. D., 418
Morgan, C. J., 437-443
Morris, M. J., 27-30
Morrison, S. C., 157-161
Mostert, R., 205-209
Mucklow, J. C., 479-484
Muers, M. F., 407-408, 417
Mulherin, D., 273-276
Murphy, J. P., 175-176
Muscles, respiratory, weakness of, 351-359
Mutagenic activity of inhaled bronchodilators on *Haemophilus influenzae*, 325-330
Mycobacteria, skin reactivity in cystic fibrosis, 273-276
Mycobacterium avium-intracellulare, AIDS-related, and cavitory lung disease, 409-411
Myopathy, hydrocortisone, in acute severe asthma; risk factors, 229-233, 510-511
Myopericarditis, meningococcal, Dressler's syndrome after, 415-416

Nasal airway patency, 179-183
Nasal airways resistance measurement, 101-106, 418
Nasal and bronchial epithelial cells; comparison, 303-312
Nebulizers, home; optimal therapy, 471-477
Nedocromil sodium—
 in asthma therapy, 85-86, 463-469
 in steroid-dependent asthmatics, 317-323

Needle biopsy, 23–26
 Neill, P., 225–228, 463–469
 Ng, M. M. T., 457–461
 Nickoladze, G. D., 107–109
 Nisar, M., 511
 Nkanza, N., 225–228
 Nolan, R. P., 509
 Norman, W. J., 175–176
 Nurses' smoking habits in teaching hospital, 277–282

O'Driscoll, B. R., 471–477
 Ooms, H. A., 203–204
 O'Reilly, J. F., 211–215
 Ormerod, L. P., 269–271
 Oscillometric impedance measurement in evaluating airway obstruction, 205–209
 Out-patient clinic, need for follow-up in, 119–122
 Oximetry, ear lobe, 86
 Oxygen concentrators in long-term oxygen therapy, 331–333
 Oxygen desaturation, nocturnal, in patients using oxygen therapy for chronic airflow limitation, 199–201
 Oxygen therapy, long-term, compliance of patients using oxygen concentrators for, 331–333
 Oxygen uptake test, 31–35

Packe, G. E., 177–178
 Pancoast's syndrome caused by pulmonary hydatid cyst, 169–170
 Pang, J., 341–343
 Papillomavirus, human, in endobronchial papillary squamous tumours, 445–447
 Parker, S., 119–122
 Patel, H., 43–46
 Peacock, A. J., 335–337
 Peak expiratory flow rate—
 and dialyser reuse, 17–21
 and restrictive pulmonary disorders, 27–30
 as screening test, 27–30
 Pearson, M. C., 9–12
 Pearson, S. B., 407–408
 Perks, W. H., 175–176
 Pertuze, J., 101–106
 Pesciullesi, E., 283–287
 Peters, S. P., 71–75
 Petrie, G. R., 211–215
 Pigeon Fancier's Lung, 5–7
 Pignone, A., 283–287
 Pleural effusion, 23–26
 Pleurisy and hepatic cysts, 413–414
Pneumocystis carinii pneumonia, AIDS-related, 177–178, 225–228
 Pneumonia—
 AIDS-related, 225–228
 in Central Africa, 225–228
 community acquired, 13–16
 intensive care unit, 13–16
 Pneumocystis carinii, AIDS-related, 177–178, 225–228
 Pneumothorax—
 spontaneous, familial, surgical management of, 107–109
 tension, as consequence of gastro-pleural fistulae, 253–254
 Polko, A. H., 205–209
 Potgieter, P. D., 297–302
 Powell, M., 325–330
 Pride, N. B., 101–106
 Probencid, use to increase serum amoxycillin levels, 143–146
 Prowse, K., 479–484
Pseudomonas aeruginosa septicaemia and cystic fibrosis, 167–168
 Pulmonary artery pressure estimation by Doppler echocardiography, 335–337
 Pulmonary embolism, diffusing capacity measurement, 255
 Pulmonary function testing in intensive care unit, 437–443
 Pulmonary hypertension—
 primary, 189–197, 485–488, 489–494
 thromboembolic, 485–488
 Pulmonary infiltrates, diffuse; assessment by bronchoalveolar lavage, 313–316

Pulmonary metastases, Wegener's granulomatosis presenting as, 339–340
 Pulmonary non-Hodgkin's lymphoma mimicking infection, 401–405
 Pulmonary shadow diagnosis with fiberoptic bronchoscopy, 297–302
 Pulmonary veno-occlusive disease, 503–505

Radial artery puncture; three haemostatic techniques, 495–497
 Rahman, M. A., 47–55
 Randhawa, H. S., 249–251
 Red cell aplasia, isoniazid-induced; a case, 171–174
 Rees, P. J., 371–375
 Relapsing polychondritis presenting with bronchorrhoea, 341–343
 Renal failure—
 dialyser reuse, 17–21
 peak expiratory flow rate, 21–21
 Renal transplant patients; pulmonary shadow diagnosis, 297–302
 Respiratory muscle weakness, 351–359
 Richman, P., 303–312
 Roberts, C. M., 253–254
 Rogers, S., 495–497
 Roos, B.-E., 37–42
 Rudd, R., 509–510

Salbutamol—
 duration of effect, in asthma, 135–138
 in partially reversible airflow obstruction, 371–375
 Salter, D. M., 445–447
 Sandham, J. D., 317–323
 Sapiano, S. B., 31–35
 Sapsford, R. J., 303–312
 Sarcoidosis, steroid-resistant, 77–80
 Scott, J. P., 189–197
 Scott, R., 71–75
 Seaton, D., 178
 Selby, C. D., 245–248
 Semple, S. J. G., 409–411
 Seppälä, O.-P., 387–394
 Sevillano, C., 177
 Shah, A., 249–251
 Shee, C. D., 229–233
 Shelton, D. M., 101–106
 Shipyard workers, asbestos-exposed, airway obstruction in, 449–455
 Sinusitis, allergic *Aspergillus*, in India, 249–251
 Sircar, M., 249–251
 Skidmore, S. J., 377–385
 Skin—
 Heaf tests, reading by general public, 245–248
 reactivity to atypical mycobacteria in cystic fibrosis, 273–276
 Slack, N. F., 413–414
 Sleep disturbances and asthma, 37–42
 Smith, D. F., 177–178
 Smith, S. F., 435–436
 Smoking—
 passive, in cystic fibrosis, 289–291
 by student nurses, 277–282
 Snell, N. J. C., 345–348
 So, S. Y., 457–461
 Somatostatin analogue SMS 201–995, 507–508
 Spillantini, G., 283–287
 Spiro, S. G., 253–254
 Stenlund, C., 289–291
 Steroid dosage reduction in severely asthmatic patients, 317–323
 Stockley, R. A., 123–127
 Strandvik, B., 289–291
 Strickland, B., 365–369
 Subcarinal lymph nodes, transbronchial aspiration of, 177

Surgery—
 in broncholithiasis management, 163–165
 in empyema thoracis treatment, 97–99, 147–153
 in familial spontaneous pneumothorax management, 107–109
 in primary pulmonary hypertension treatment, 198–197
 Sutherland, G., 335–337
 Swift, C. G., 211–215
 Swinburn, C. R., 178

Swindell, R., 217-223
Sykes, A., 139-142
Sykes, A. P., 135-138
Systemic lupus erythematosus, 77-80
Systemic sclerosis, ACE activity in, 283-287

Taylor, A. G., 27-30
Taylor, R., 235-239
Taylor, R. J., 471-477
Teale, C., 407-408
Teenagers, Bangladeshi, lung function in, 47-55
Tension pneumothorax as consequence of gastro-pleural fistulae, 253-254
Thatcher, N., 217-223
Theophylline—
in chronic obstructive airways disease, 211-215
concentration, in clinical practice, 479-484
slow-release, in asthma, 1-3
Thomas, E. A., 175-176
Thomas, K. E., 418
Thomas, P., 317-323
Thompson, J., 101-106
Thomson, N. C., 293-295
Thromboembolic pulmonary hypertension, 485-488
Timon, C. I., 395-400
Tobramycin concentration in bronchoalveolar lavage fluid, 203-204
Tonsillitis, acute, recurrent, 395-400
Traumatic paramediastinal air cysts—a continuing source of confusion, 175-176
Trigg, C. J., 1-3
Tuberculosis—
isoniazid resistant outbreak in Glasgow, 361-364
prevention in new immigrants, 269-271
pulmonary, in Republic of Ireland, 111-117, 511
screening in new immigrants, 269-271

Turner-Warwick, M., 365-369
Twenty-metre shuttle-running test, 31-35

Ullah, M. B., 47-55

Van Meerbeeck, J., 155-156
Vaithen, A. S., 463-469
Verhaert, J., 155-156
Vermeire, P., 155-156
Visser, B. F., 205-209

Walls, A. F., 499-501
Wallwork, J., 189-197
Walsh, M., 395-400
Walshaw, M. J., 199-201, 257-258, 331-333
Warshaw, R. H., 449-455
Watkin, E. M., 507-508
Watt, B., 361-364
Webb, J., 349-350
Wedzicha, J. A., 9-12
Wegener's granulomatosis presenting as pulmonary metastases, 339-340
Weir, D. C., 31-35
Wells, C. W., 303-312
Wells, F. C., 97-99, 147-153
White, R. J., 413-414
Whitfield, R., 211-215
Whitehead, J. E., 31-35
Wiggins, J., 365-369
Williams, A. J., 17-21
Williams, J. D., 325-330
Willcox, P. A., 297-302
Wosornu, D., 361-364
Wouters, E. F. M., 205-209

